

## RELOCATION ASSISTANCE FOR SMALL WELDING COMPANY

**ABOUT AL'S WELDING & FABRICATION INC.** Al's Welding is a small, custom welding and metal fabrication business, with between one and three employees. The company operates out of a unique shop building near Dayton, Wyoming. In addition to custom welding and repair, Al's Welding fabricates specialized agricultural equipment. Other products include a specialized mobile trailer used for cattle artificial insemination (AI), ranch equipment, and rodeo training devices.

**THE CHALLENGE.** Al's Welding needed to relocate, and the owner created a unique building design using shipping containers for structure. The project needed to be completed in a timely fashion to avoid substantial work stoppage. Al's Welding approached Manufacturing-Works (M-W), part of the MEP National Network™, for engineering design assistance, as the company already had a long relationship with the M-W engineer.

**MEP CENTER'S ROLE.** M-W provided design assistance in building sizing, plant layout of cranes, and foundation design. The new building would be 80 feet by 100 feet, using shipping containers as walls (stacked two levels high). M-W assisted with the design and support beams for doors on the ends of the building.

Al's Welding successfully relocated from Sheridan, Wyoming to a site closer to Dayton, saving money on rent and travel costs. The company's creative use of construction materials divided the cost of the new building by half, and with M-W's assistance, the move required minimal downtime. With the new facility and improved production layout, Al's Welding has greatly increased productivity. The unusual design of the building is generating interest, and could spark new business opportunities.

"M-W Engineer Lloyd Marsden has been a long and trusted friend, assisting on many project designs over 40 years. He is our part-time engineering department. His assistance in helping complete this project 'saved' our bacon in getting it done quickly. M-W has been awesome."

-Al Taylor, CEO

## RESULTS



Reduced monthly costs by approx. **\$3000** per month



Estimated construction savings of **\$300,000** on a \$600,000 building



Building design has generated interest, may result in new projects



New layout has greatly increased productivity

## CONTACT US



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